

Application No. 09/971,627
Amendment dated December 19, 2003
Reply to Final Office Action dated August 28, 2003

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) Seed of corn inbred line designated 2JK221, representative seed of said line having been deposited under ATCC Accession No. PTA-5344.
2. (ORIGINAL) A corn plant, or parts thereof, produced by growing the seed of claim 1.
3. (ORIGINAL) Pollen of the plant of claim 2.
4. (ORIGINAL) An ovule of the plant of claim 2.
5. (ORIGINAL) A corn plant, or parts thereof, having all of the physiological and morphological characteristics of the corn plant of claim 2.
6. (PREVIOUSLY PRESENTED) The corn plant of claim 2, wherein said plant is detasseled.
7. (ORIGINAL) A tissue culture of regenerable cells from the corn plant of claim 2.
8. (PREVIOUSLY PRESENTED) A tissue culture according to claim 7, wherein the tissue culture is selected from the group consisting of leaves, pollen, embryos, roots, root tips, anthers, silks, flowers, kernels, ears, cobs, husks, and stalks.
9. (PREVIOUSLY PRESENTED) A corn plant regenerated from the tissue culture of claim 7, wherein the regenerated plant has all the morphological and physiological characteristics of inbred line 2JK221.
10. (CANCELED)
11. (PREVIOUSLY PRESENTED) A method for producing a hybrid corn seed comprising crossing a first inbred parent corn plant with a second inbred parent corn plant and harvesting the resultant hybrid corn seed, wherein said first inbred parent corn plant or said second parent corn plant is the corn plant of claim 2.
- 12 - 34. (CANCELED)

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35. (CURRENTLY AMENDED) A method for producing a transgenic corn plant comprising transforming the corn plant of claim 2 with a transgene wherein the transgene confers a characteristic selected from the group consisting of: herbicide resistance, insect resistance, resistance to bacterial disease, resistance to fungal disease, resistance to viral disease, and male sterility ~~and corn endosperm with improved nutritional quality.~~

36. (PREVIOUSLY PRESENTED) A transgenic corn plant produced by the method of claim 35.

37. (PREVIOUSLY PRESENTED) A method of producing a male sterile corn plant comprising transforming the corn plant of claim 2 with a transgene that confers male sterility.

38. (PREVIOUSLY PRESENTED) A male sterile corn plant produced by the method of claim 37.

39. (PREVIOUSLY PRESENTED) A method of producing an herbicide resistant corn plant comprising transforming the corn plant of claim 2 with a transgene that confers herbicide resistance.

40. (PREVIOUSLY PRESENTED) A herbicide resistant corn plant produced by the method of claim 39.

41. (PREVIOUSLY PRESENTED) A method of producing an insect resistant corn plant comprising transforming the corn plant of claim 2 with a transgene that confers insect resistance.

42. (PREVIOUSLY PRESENTED) An insect resistant corn plant produced by the method of claim 41.

43. (PREVIOUSLY PRESENTED) A method of producing a disease resistant corn plant comprising transforming the corn plant of claim 2 with a transgene that confers disease resistance.

44. (PREVIOUSLY PRESENTED) A disease resistant corn plant produced by the method of claim 43.

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45. (CURRENTLY AMENDED) The corn plant of claim 2, further comprising a single gene conversion where the gene confers a characteristic selected from the group consisting of: male sterility, herbicide resistance, insect resistance, resistance to bacterial disease, resistance to fungal disease, and resistance to viral disease ~~and corn endosperm quality.~~